

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Lucien Alfred Couvillon, Jr.

Serial No.: not yet assigned

Filed: Herewith

For: **ULTRASOUND COATING FOR ENHANCING  
VISUALIZING OF MEDICAL DEVICES IN  
ULTRASOUND IMAGES**

Group Art Unit: not yet assigned

Examiner: Not yet assigned

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

CERTIFICATE OF MAILING  
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria 22313-1450.

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October 3, 2003  
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**INFORMATION DISCLOSURE STATEMENT FILING PROVISION:**

☒ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☒ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☐ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

☐ The fee due under 37 CFR § 1.17(p) is submitted herewith.

☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

**STATEMENT UNDER 37 CFR § 1.97(e):**

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

**PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:**

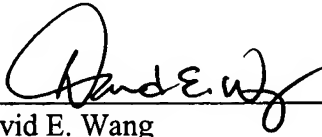
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the above fee(s).  
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The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Orrick, Herrington & Sutcliffe's Deposit Account No. **15-0665**.

Respectfully submitted,  
Orrick, Herrington & Sutcliffe LLP

Dated: October 3, 2003

By:

  
\_\_\_\_\_  
David E. Wang  
Reg. No. 38,358

4 Park Plaza, Suite 1600  
Irvine, California 92614-2558  
Telephone: (949) 567-6700  
Facsimile: (949) 567-6710  
Customer No.: **34313**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	not yet assigned
				Filing Date	Herewith
				First Named Inventor	Lucien Alfred Couvillon, Jr.
				Group Art Unit	not yet assigned
Examiner Name	not yet assigned				
Sheet	2	of	2	Attorney Docket Number	701470.4069

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publications of Cited Documents MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup>			
	17.	6,306,176	B1	Whitbourne	10/23/2001	
	18.	6,316,522	B1	Loomis, et al.	11/13/2001	
	19.	6,406,852	B1	Tuli, et al.	06/18/2002	
	20.	6,465,178	B2	Chappa, et al.	10/15/2002	

FOREIGN PATENT DOCUMENTS								
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	21.	"Amersham Health, Harmonic Imaging with Contrast", <a href="http://www.anershamhealth-us.com/optison/monograh/om07.html">http://www.anershamhealth-us.com/optison/monograh/om07.html</a> , 2 pgs, 07/15/2003	
	22.	"Alliance Pharmaceutical Corp. - Ultrasound Imaging Patents", <a href="http://www.allp.com/Imagent/imavistpatents.htm">http://www.allp.com/Imagent/imavistpatents.htm</a> , 3 pgs., 07/15/2003	
	23.	"GE Medical Systems, - Ultrasound Techniques Tutorials, Tissue Harmonic Imaging", <a href="http://www.gemedicalsystems.com/rad/us/education/msutut3.html">http://www.gemedicalsystems.com/rad/us/education/msutut3.html</a> , 3 pgs., 07/24/2003	
	24.	"Heparin Coating Systems, Antithrombogenic Coatings for Medical Devices", <a href="http://www.stsbiopolymers.com/Old%20Website/bull6c.htm">http://www.stsbiopolymers.com/Old%20Website/bull6c.htm</a> , 2 pgs., 08/04/2003	
	25.	"Velcro USA Inc. Industrial Products: Pressure Sensitive Adhesives", 3 pgs., <a href="http://www.Velcro.com/industrial/pressure.htm">http://www.Velcro.com/industrial/pressure.htm</a> , 10/03/2003	

Examiner Signature		Date Considered	
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		Number	Kind Code <sup>2</sup>			
	1.	5,135,516		Sahatjian, et al.	08/04/1992	
	2.	5,304,121		Sahatjian	04/19/1994	
	3.	5,466,587		Fitzpatrick-McElligott, et al.	11/14/1995	
	4.	5,693,034		Buscemi, et al.	12/02/1997	
	5.	5,702,754		Zhong	12/30/1997	
	6.	5,843,089		Sahatjian, et al.	12/01/1998	
	7.	5,948,387		Unger, et al.	09/07/1999	
	8.	6,060,534		Ronan, et al.	05/09/2000	
	9.	6,096,108		Coulonvaux, et al.	08/01/2000	
	10.	6,176,849	B1	Yang, et al.	01/23/2001	
	11.	6,184,266	B1	Ronan, et al.	02/06/2001	
	12.	6,193,951	B1	Ottoboni, et al.	02/27/2001	
	13.	6,261,630	B1	Nazarova, et al.	07/17/2001	

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	14.	"Ultrasound Contrast Imaging", GE Medical Systems, <a href="http://www.gemedicalsystems.com/rad/us/products/msucvcontrast.html">http://www.gemedicalsystems.com/rad/us/products/msucvcontrast.html</a> , 07/15/2003		
	15.	"POINT Biomedical Corp. Announces Two New Patents", POINT Biomedical Corporation: News Room, San Carlos, CA (Business Wire) June 25, 2001, <a href="http://www.pointbiocom/newroom/release.asp?id=pr1113200295025">http://www.pointbiocom/newroom/release.asp?id=pr1113200295025</a> , 07/24/2003		
	16.	"Phillips, Ultrasound – HDI 5000 – Power Contrast Harmonic Imaging", <a href="http://www.medical.Philips.com/main/products/ultrasound/.../power_contrast_harmonic.htm">http://www.medical.Philips.com/main/products/ultrasound/.../power_contrast_harmonic.htm</a> , 07/15/2003		

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